

JC06 Rec'd PCT/PTO 10 AUG 2005



International application No. PCT/IN02/00143

Break-up of Payment of \$855.00

Entry to the National Stage at the USPTO.

International Patent Application No. PCT / IN02 / 00143

Status: Small Entity

Previous Payment : Cheque for USD \$680

Present Payment Details

1. **Purpose:** Petition to revive unintentionally abandoned application.
Fees Code: 1453/2453
Amount USD \$ 750.00
2. **Purpose:** Search fee, examination fee or oath or declaration after thirty months from priority date.
Fees Code: 1617/2617
Amount: USD \$65.00
3. **Purpose:** Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property. **This was missed out at the time of filling up the form PTO 1390 in the month of December 2004, Copy attached.**
Amount: USD \$40.00

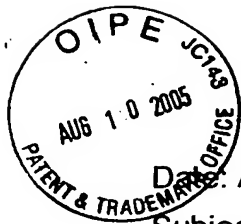
Total (750+65+40): USD \$855.00 cheque No. 11375326 dated July 15, 2005

Applicant's name: Ambardekar, Vishvas P.

08/12/2005 GFREY1 00000145 10520365

01 FC:2617
02 FC:1206

65.00 OP
40.00 OP



Date: August 01, 2005

Subject: Submission of documents for revival of an application for patent abandoned unintentionally at the USPTO, for international application No. PCT/IN02/00143, titled "Eccentric gearbox", bearing international filing date July 02, 2002.

List of enclosures for the submission:

1. Petition for revival of an application for patent abandoned unintentionally under 37 CFR 1.137(b). [Filled up form PTO/SB/64(07-05)] : 2 sheets
2. Explanation to support the item 4, the STATEMENT, referring form PTO/SB/64 : 1 sheet
3. Copy of the e-mail from "USPS_Track_& Confirm"<USPS_Track_Confirm@USPS.com> :2 sheets
4. Break-up of payment of \$855.00 : 1 sheet
5. Cheque for USD \$ 855.00 (Eight Hundred Fifty Five Dollars), bearing cheque number 11375326, dated 15 JUL 2005. 1 cheque

Listed below are the documents **FOR REFERENCE**:

6. Copy of originally filled up form PTO-1390 (Rev. 12-2004) : 2 sheets
7. Copy of originally filled up form PTO/SB/01 (09-04) : 2 sheets
8. Copy of "FIRST PAGE OF WO2004/005756, PCT/IN2002/000143" OR "COPY OF FIRST PAGE OF NOTICE FROM PCT, 15.01.2004" : 1 sheet
9. Copy of the cheque for USD \$680 submitted with original form PTO-1390 : 1 sheet

Listed below are the documents **FOR REPLACEMENT OR addition** to old documents submitted for entry into national phase:

10. Cover Sheet for Patent : 2 sheets (missed out during original submission of form PTO-1390 (Rev. 12-2004)
11. Filled up form PTO-1390 (Rev. 12-2004) : 2 sheets
12. Filled up form PTO/SB/01 (04-05) : 2 sheets

Total sheet count enclosed : **18 sheets + 1 cheque**



COVER SHEET FOR PATENT

Date: July 31, 2005

- 1) International Application No. PCT/IN02/00143 bearing international filing date July 02, 2002. Title of the invention is "Eccentric gearbox".
- 2) The name of the party conveying the interest: Ambardekar, Vishvas Prabhakar
- 3) The Name and address of the party receiving the interest:

(a) Name: Ambardekar, Vishvas Prabhakar

(b) Address:

C/O, Mr. V.S.Ambardekar,

Plot No. B-82, Flat No. 1,

Tulshibagwale Colony, Sahakar Nagar No. 2,

PUNE 411009, INDIA

- 4) Brief description of the interest conveyed or transaction to be recorded;

The present patent application is about schemes that can help making different types of large speed ratio eccentric gearboxes with selectable speed ratio. In this gearbox, many eccentric gear pairs are assembled in parallel, and are connected to a common input shaft and a common output shaft. In an eccentric gear pair, one gear called fixed gear keeps its orientation unchanged with respect to a fixed part and another gear called a moving gear, rotates about its own axis. The point of contact is moved on to the pitch circle of the fixed gear through some mechanism connected and the moving gear is connected to an output shaft. Difference in number of teeth on the two gears of an eccentric gear pair is kept to one tooth or more. Through proper selection of a particular gear pair any speed ratio from available speed ratios can be selected. In this way, it is possible to make a compact gearbox, with multiple (two or more) speed ratios, to have large speed ratios between input and output shafts. These types of gearboxes are useful in many applications mainly where turbines are used as prime movers. Such a gear box can be used in automobiles, robot manipulators, earth moving equipments, space applications, toys, hand held tools and in many other applications.

5) The name and address of the party to whom correspondence concerning the request to record the document should be mailed;

(a) Name: Ambardekar, Vishvas Prabhakar

(b) Address:

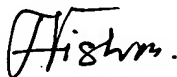
C/O, Mr. V.S.Ambardekar,

Plot No. B-82, Flat No. 1,

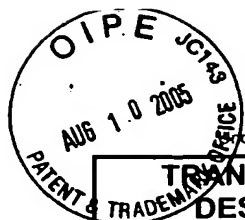
Tulshibagwale Colony, Sahakar Nagar No. 2,

PUNE 411009, INDIA

6) Signature of the applicant and inventor

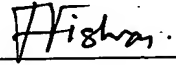


/ Ambardekar, Vishvas /



| | | |
|--|---|---|
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER |
| | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) |
| INTERNATIONAL APPLICATION NO. PCT / IN 02 / 00143 | INTERNATIONAL FILING DATE 02 JULY 2002 | PRIORITY DATE CLAIMED 02 JULY 2002 |
| TITLE OF INVENTION ECCENTRIC GEARBOX | | |
| APPLICANT(S) FOR DO/EO/US AMBARDEKAR, VISHVAS | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: 1. NOTIFICATION OF TRANSMISSION OF IPER (04.NOV.04), 21 SHEETS (COPY) 2. COPY OF FIRST PAGE OF NOTICE FROM PCT, 15.01.2004</p> | | |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

| | | | | | |
|--|------------------|---|------------|--|-----------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) | | INTERNATIONAL APPLICATION NO. PCT / IN02 / 00143 | | ATTORNEY'S DOCKET NUMBER | |
| 21. The following fees are submitted: <input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 <input checked="" type="checkbox"/> c) Search fee..... \$500.00 TOTAL OF ABOVE CALCULATIONS = \$1000.00 <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | Applicant use | Office use only |
| | | | | \$ 300 | |
| | | | | \$ 200 | |
| | | | | \$ 500 | |
| | | | | \$ 1000 | |
| Total Sheets | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| - 100 = | /50 = | | x \$250.00 | \$ | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | \$ | |
| Total claims | 18 - 20 = | — | x \$50.00 | \$ — | |
| Independent claims | 3 - 3 = | — | x \$200.00 | \$ — | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360.00 | \$ 360 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 1360 | |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | \$ 680 | |
| SUBTOTAL = | | | | \$ 680 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | \$ | |
| TOTAL NATIONAL FEE = | | | | \$ 680 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | \$ | |
| TOTAL FEES ENCLOSED = | | | | \$ 680 | |
| Amount to be refunded: | | | | | \$ |
| Amount to be charged | | | | | \$ |
| a. <input checked="" type="checkbox"/> A check in the amount of \$ 680.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: VISHVAS AMBARDEKAR, C/O MR. V. S. AMBARDEKAR, PLOT No. B-82, FLAT No. 1, TULSHIBAGWALE COLONY, SAHAKAR NAGAR NO. 2, PUNE - 411009, INDIA | | | | | |
| | | | |  SIGNATURE VISHVAS AMBARDEKAR NAME REGISTRATION NUMBER | |